# **Introduction and Background :**

In today’s world, travelling has played an important role in people’s life. Travelling is an interesting experience where tourists from various ages can have fun, adventure and discovery for new places around the world. However, planning for a trip is not an easy task with the increasing number of airline companies, hotels, attractions and activities in recent years. A considerable amount of time is required to gather information from different sources in order to make a travel itinerary plan. In the traditional planning process, tourists need to search in every airline, hotel and activities websites and find out about the price and level of service. Then make comparisons between many sources of information to find the best option suited to their needs. It is a very difficult and tedious process which may not produce the desirable itinerary plan. Nonetheless, the advancement of technology has revolutionized people’s lives and makes this task easier by using different kinds of websites and applications such as travel itinerary planner. Travel itinerary planner is a website that helps design and plans users' memorable vacations. Based on the user input, which includes destination, arrival and departure dates, activities preferences, the system automatically constructs day-by-day itinerary. The Itinerary will include information about airlines and accommodation details, local transportation information, as well as famous attractions and activities to enjoy during the trip, combined with the price of each of them. The final budget for the trip will be calculated to the user. Another important feature is the system will generate a PDF copy of the itinerary and it will be sent to the user via email. Such websites will help to solve already discussed problems with traditional planning processes besides saving time and reducing the effort and for travellers to choose their own tourism program and enjoy a pleasant vacation.